

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/050044

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G01V1/30

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G01V

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 798 892 A (KOBAYASHI ET AL) 25 August 1998 (1998-08-25) column 2, line 22 - line 40 column 7, line 40 - column 8, line 34; claim 4	1,37
A	EP 1 094 338 A (JASON GEOSYSTEMS B.V) 25 April 2001 (2001-04-25) paragraphs '0024!, '0034!, '0035!, '0038!; claim 1	1,37
A	IVAR BREVIK: "Rock model based inversion of saturation and pressure changes from time lapse seismic data" SEG 1999 EXPANDED ABSTRACTS, 1999, XP002335313 the whole document	1,37

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

8 July 2005

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29/07/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Lorne, B

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>RUTLEDAL ET AL: "Time-Lapse Elastic Inversion at the Oseberg Field" EAGE 64 TH CONFERENCE &amp; EXHIBITION, 27 May 2002 (2002-05-27), pages 1-4, XP002335314 Florence, Italy the whole document</p>	1,37
A	<p>VARELA O.J. ET AL: "Assesing dynamic reservoir behavior with time-lapse pre-stack 3D seismic data: a sensitivity study based on inversion" EAGE 64TH CONFERENCE &amp; EXHIBITION, 30 May 2002 (2002-05-30), pages 1-4, XP002335315 Florence, Italy the whole document</p>	1,37
A	<p>SUSAN MINKOFF ET AL: "Reservoir characterization via time-lapse prestack seismic inversion" 1998 SEG EXPANDED ABSTRACTS, 1998, XP002335316 the whole document</p>	1,37

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Information on patent family members

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PCT/GB2004/050044

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5798892	A	25-08-1998	JP 3354036 B2	09-12-2002
			JP 9063158 A	07-03-1997
EP 1094338	A	25-04-2001	EP 1094338 A1	25-04-2001
			AU 1854101 A	30-04-2001
			WO 0129577 A1	26-04-2001
			US 2004064294 A1	01-04-2004
			US 2002013661 A1	31-01-2002